

In the Claims:

1. (original) Tri-axial monolithic acceleration sensor (1),
which comprises the following characteristic features:
- a) the acceleration sensor (1) consists of plural individual sensors (2a-d) with respectively a main sensitivity axis (11) arranged on a common substrate (8),
 - b) each individual sensor (2a-d) is rotatably movably suspended on two torsion spring elements (4a-h) and comprises a seismic mass (3a-d) with a center of gravity (S_a , S_b , S_c and S_d),
 - c) each individual sensor (2a-d) comprises means for the measurement (10) of the deflection of the seismic mass (3a-d),
- characterized in that
- d) the acceleration sensor (1) consists of at least three identical individual sensors (2a-d),
 - e) each individual sensor (2a-d) is suspended eccentrically relative to its center of gravity (S_a , S_b , S_c , S_d) and
 - f) is rotated relative to the other individual sensors (2a-d) by 90° , 180° or 270° .
2. (original) Acceleration sensor according to claim 1, characterized in that the at least three identical individual sensors (2a-d) are arranged in a rectangle.

3. (original) Bi-axial monolithic acceleration sensor (1),
that comprises the following characteristic features:

- a) the acceleration sensor (1) consists of two individual sensors (2a-d) with respectively a main sensitivity axis (11) arranged on a common substrate (8),
- b) each individual sensor (2a-d) is rotatably movably suspended on two torsion spring elements (4a-h) and comprises a seismic mass (3a-d) with a center of gravity (S_a , S_b , S_c and S_d),
- c) each individual sensor (2a-d) comprises means for the measurement (10) of the deflection of the seismic mass (3a-d),

characterized in that

- d) the acceleration sensor (1) consists of two identical individual sensors (2a-d),
- e) each individual sensor (2a-d) is suspended eccentrically relative to its center of gravity (S_a , S_b , S_c , S_d) and is rotated by 180° relative to the other individual sensor (2a-d) and
- f) the main sensitivity axis (11) of the one individual sensor (2a-d) extends vertically to the substrate (8) and the main sensitivity axis (11) of the other individual sensor (2a-d) extends vertically to the substrate (8).

Claims 4 to 7 (canceled).

[REMARKS FOLLOW ON NEXT PAGE]